

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
HENRY COUNTY --- 1.6 E GERMAN CORNER [41.30, -90.00], 1.5 NNE BRADENBURG CORNERS [41.30, -89.87], 3.7 ESE KEWANEE [41.20, -89.87], 2.9 WSW KEWANEE MUNI ARPT [41.20, -90.00]				
	08/10/10 03:30 CST		50K	Flash Flood (due to Heavy Rain)
	08/10/10 06:30 CST		0	Source: Trained Spotter
Heavy rains resulted in flash flooding of some streets in the Kewanee, IL area during the morning of August 10.				
Another round of heavy rain-producing showers and thunderstorms developed and moved across eastern Iowa and northern Illinois during the morning of August 10. The heaviest rainfall amounts of 2.50 to 3.50 inches were centered around Washington, IA and Kewanee, Illinois, where flash flooding was observed. Low temperatures across the area were mainly in the lower and middle 70s.				
HANCOCK COUNTY --- 0.5 E DALLAS CITY [40.63, -91.16]				
	08/10/10 17:00 CST		0	Hail (0.88 in)
	08/10/10 17:00 CST		0	Source: Trained Spotter
Non-severe hail was observed in Dallas City, IL around 6 pm CDT August 10.				
JO DAVIESS COUNTY --- 1.4 N WOODBINE [42.35, -90.15]				
	08/13/10 15:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/13/10 15:00 CST		0	Source: Law Enforcement
Wind gusts estimated to be 60 mph blew down several large tree limbs in Woodbine, IL around 4 pm CDT August 13.				
HANCOCK COUNTY --- 1.7 NW HAMILTON [40.42, -91.37], 3.0 WNW ELVASTON [40.42, -91.30], 3.4 SW ELVASTON [40.37, -91.30], 2.3 SSW HAMILTON [40.37, -91.37]				
	08/13/10 15:45 CST		0	Flash Flood (due to Heavy Rain)
	08/13/10 18:00 CST		0	Source: Trained Spotter
Heavy rains resulted in some flash flooding in the Hamilton, IL area during the late afternoon and evening of August 13.				
An area of showers and thunderstorms ahead of a cold front over central Iowa moved eastward into eastern Iowa, northern Missouri, and northern Illinois during the afternoon and evening of August 13. Damaging winds and flooding rains accompanied the stronger storms. High temperatures August 13 were mainly in the upper 80s to middle 90s. Heat index readings ranged from 100 to 110 degrees.				
MCDONOUGH COUNTY --- 0.5 W MACOMB [40.47, -90.68]				
	08/20/10 12:15 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 12:15 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some branches in Macomb, IL at 115 pm CDT August 20.				
WHITESIDE COUNTY --- 1.4 S MORRISON [41.80, -89.97]				
	08/20/10 12:58 CST		0	Lightning
	08/20/10 12:58 CST	1	0	Source: Trained Spotter
A 12 year old boy was struck by lightning at Southside Elementary School in Morrison, IL just before 2 pm CDT August 20.				
WHITESIDE COUNTY --- 2.1 W USTICK [41.88, -90.04]				
	08/20/10 13:05 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 13:05 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed about 2 miles west of Ustick, IL or about 6 miles north northwest of Morrison, IL at 205 pm CDT August 20.				
WHITESIDE COUNTY --- 0.5 SSE UNIONVILLE [41.81, -89.98], 1.2 SE MORRISON [41.81, -89.96]				
	08/20/10 13:10 CST		10K	Thunderstorm Wind (EG 70 kt)
	08/20/10 13:10 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph were observed in Morrison, IL around 210 pm CDT August 20. Several trees and branches were blown down in the area as well as a utility pole along Prairie Center Road. Route 30 was closed for a while due to tree removal operations. The sources for this report were the spotter's police scanner and a newspaper.				

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CARROLL COUNTY --- 0.9 SW CHADWICK [42.01, -89.89]				
	08/20/10 13:22 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 13:22 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed in Chadwick, IL at 222 pm CDT August 20.				
STEPHENSON COUNTY --- 0.9 NW FREEPORT [42.29, -89.63]				
	08/20/10 13:55 CST		50K	Thunderstorm Wind (EG 56 kt)
	08/20/10 13:55 CST		0	Source: Public
Wind gusts estimated to be 65 mph blew a limb down in Freeport, IL around 255 pm CDT August 20. The limb, which was 6 to 8 inches in diameter, fell onto some power lines which in turn caused a house fire. This report was relayed by WREX.				
STEPHENSON COUNTY --- 1.7 WSW DAMASCUS [42.36, -89.73]				
	08/20/10 13:58 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 13:58 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down a 10 inch diameter tree limb about 7 miles northwest of Freeport, IL around 258 pm CDT August 20.				
HANCOCK COUNTY --- 0.6 NNW WARSAW [40.36, -91.43]				
	08/20/10 16:20 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:20 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down some large tree limbs and power lines in Warsaw, IL around 520 pm CDT August 20.				
HANCOCK COUNTY --- 0.6 ESE HAMILTON [40.40, -91.34]				
	08/20/10 16:40 CST		10K	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:40 CST		0	Source: Trained Spotter
Wind gusts estimated to be 65 mph blew down some large tree limbs and power lines in Hamilton, IL around 540 pm CDT August 20.				
HANCOCK COUNTY --- AUGUSTA [40.23, -90.95]				
	08/20/10 16:50 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 16:50 CST		0	Source: COOP Observer
Wind gusts estimated to be 60 mph were observed in Augusta, IL around 550 pm CDT August 20. Some small tree limbs were blown down. The observer made the report the morning of August 21.				
Showers and thunderstorms moved across the area August 20 as a trough of low pressure moved into western Iowa. Some of the storms were severe downing trees and power lines. Torrential downpours also accompanied the storms with rainfall totals of 1 to 2 inches in just an hour or two. Otherwise, warm and humid conditions prevailed across the region with high temperatures topping out in the middle 80s to lower 90s.				
IOWA, East Central and Southeast				
WASHINGTON COUNTY --- 6.6 WNW WELLMAN [41.51, -91.94], 2.2 N KALONA [41.51, -91.71], 2.9 SSW RICHMOND [41.41, -91.72], 7.3 SW WELLMAN [41.41, -91.95]				
	08/03/10 00:30 CST		1M	Flash Flood (due to Heavy Rain)
	08/03/10 11:00 CST		0	Source: Trained Spotter
Heavy rains resulted in flash flooding in and around Wellman, IA during the morning of August 3. Major flooding was observed on Smith Creek on the south edge of town. County Road W 38 had to be closed due to the flood waters. Much of the town, including the fire station and water treatment plant, was under water. Some residences had 8 to 10 feet of water in their basements. Some water rescues were performed. The flood water was still about a foot deep in parts of town, especially near the fire station, during the late morning hours.				
IOWA COUNTY --- 3.8 NE KOSZTA [41.86, -92.15], 3.0 NNE WEST AMANA [41.86, -91.95], 5.1 SSW HOLBROOK [41.51, -91.95], 3.7 W NORTH ENGLISH [41.51, -92.15]				
	08/03/10 01:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/03/10 06:00 CST		0	Source: Law Enforcement

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rains resulted in flash flooding of parts of North English and surrounding areas during the early morning hours of August 3. A bridge in North English had water flowing over it. In addition, the first floor of an apartment building flooded. Just east of town, Highway F67 was closed due to water across the road. In addition, several county roads had rock washed away and were in need of repair, including the 411 bridge on M Avenue north of Marengo and the "squirrel" bridge near North English.				

KEOKUK COUNTY --- 2.2 E KINROSS [41.47, -91.96], 2.6 E KINROSS [41.47, -91.95]

08/03/10 01:00 CST	0.10M	Thunderstorm Wind (EG 61 kt)
08/03/10 01:00 CST	0	Source: Emergency Manager

Wind gusts estimated to be 70 mph partially ripped the roof off of a hog confinement building, damaged a grain bin, and snapped several trees along Highway 22 just east of Kinross, IA around 2 am CDT August 3.

JEFFERSON COUNTY --- 0.7 ENE FAIRFIELD [41.01, -91.97]

08/03/10 02:40 CST	0.10M	Thunderstorm Wind (EG 61 kt)
08/03/10 02:40 CST	0	Source: Newspaper

Wind gusts estimated to be 70 mph blew a tree down onto a house on W Washington Avenue in Fairfield, IA around 340 am CDT August 3.

JEFFERSON COUNTY --- 0.9 NE FAIRFIELD [41.01, -91.97]

08/03/10 02:40 CST	1K	Thunderstorm Wind (EG 61 kt)
08/03/10 02:40 CST	0	Source: Newspaper

Wind gusts estimated to be 70 mph blew a tree down near the intersection of W Hempstead Avenue and N 4th Street in Fairfield, IA around 340 am CDT August 3. The tree landed on a shed.

An area of showers and thunderstorms developed over portions of western and central Iowa during the evening of August 2 and moved into eastern Iowa and northwestern Illinois during the early morning of August 3. The showers and storms brought flooding rains of 1 to 5 inches to areas between Interstate 80 and Highway 34. This resulted in flash flooding of parts of Iowa and Washington Counties. Some of the thunderstorms were severe damaging a farmstead near Kinross, Iowa and downing a tree in Fairfield, Iowa. Low temperatures across the area the morning of August 3 were in the upper 60s and lower 70s.

WASHINGTON COUNTY --- 6.7 WNW WELLMAN [41.51, -91.95], 5.6 ENE RIVERSIDE [41.51, -91.50], 5.6 ESE RIVERSIDE [41.45, -91.50], 6.2 WSW WELLMAN [41.45, -91.95]

08/03/10 10:00 CST	0.50M	Flood (due to Heavy Rain)
08/06/10 12:00 CST	0	Source: River/Stream Gage

Heavy rains during the first week of August resulted in the English River at Kalona going above the moderate flood stage level of 16 feet on August 3 around 11 am CDT. It crested over the major flood stage level around 18.1 feet around 7 pm CDT August 3. It fell below the moderate flood stage level around 1 pm CDT August 6.

KEOKUK COUNTY --- 1.7 SSW COAL CREEK [41.41, -92.41], 2.8 NNE KEOTA [41.41, -91.95], 3.1 ENE RICHLAND [41.20, -91.95], 5.2 WNW HEDRICK [41.20, -92.41]

08/04/10 00:00 CST	0.25M	Flood (due to Heavy Rain)
08/07/10 14:00 CST	0	Source: River/Stream Gage

Heavy rains during the first week of August resulted in the Skunk River at Sigourney going above the moderate flood stage level of 18 feet on August 4 around 1 am CDT. It crested around 20.8 feet around 1 am CDT August 6. It fell below the moderate flood stage level around 3 pm CDT August 7.

SCOTT COUNTY --- 2.2 NW DAVENPORT [41.56, -90.60], 2.1 NNW DAVENPORT [41.56, -90.60]

08/04/10 02:50 CST	0.10M	Thunderstorm Wind (EG 61 kt)
08/04/10 02:50 CST	0	Source: Newspaper

Wind gusts estimated to be 70 mph blew a large tree limb down and an entire tree onto a house and car along 36th Street west of Division Street in Davenport, IA around 350 am CDT August 4.

JOHNSON COUNTY --- 6.7 WSW OXFORD [41.62, -91.94], 2.7 ESE IOWA CITY MUNI ARPT [41.62, -91.50], 1.4 N RIVER JCT [41.52, -91.50], 8.3 W AMISH [41.52, -91.94]

08/04/10 03:00 CST	0	Flash Flood (due to Heavy Rain)
08/04/10 08:00 CST	0	Source: Other Federal Agency

Heavy rains resulted in flash flooding along Old Mans Creek just southwest of Iowa City, IA during the morning of August 4. At 712 am CDT, the Corps of Engineers stream gage on Old Mans Creek indicated that it was over a foot above the flood stage at that time.

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SCOTT COUNTY --- 1.1 S ELDRIDGE [41.65, -90.60], 2.0 ESE ELDRIDGE [41.65, -90.57]				
	08/04/10 03:00 CST		0	Thunderstorm Wind (EG 52 kt)
	08/04/10 03:00 CST		0	Source: NWS Employee
Wind gusts estimated to be 60 mph blew down several tree branches throughout Eldridge, IA around 4 am CDT August 4.				
SCOTT COUNTY --- 3.2 SSW PRINCETON [41.63, -90.36], 4.0 S PRINCETON [41.61, -90.36]				
	08/04/10 03:00 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/04/10 03:00 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph blew down a tree along 277th Avenue just north of Territorial Road on the north side of Le Claire, IA around 4 am CDT August 4. The tree fell onto some power lines snapping them.				
An area of showers and thunderstorms developed over western Iowa the evening of August 3 and pushed across the mid Mississippi Valley during the early morning hours of August 4. These storms brought damaging winds to portions of Scott County and more rain to areas bounded by Highway 30 and the Iowa and Missouri border. Flash flooding of a creek was observed near Iowa City. Low temperatures across the area the morning of August 4 ranged in the lower and middle 70s.				
JOHNSON COUNTY --- 2.6 W HILLS [41.55, -91.60], 3.1 E HILLS [41.55, -91.49], 9.7 SSE LONE TREE [41.35, -91.36], 9.2 SSW LONE TREE [41.35, -91.47]				
	08/04/10 13:00 CST		75K	Flood (due to Heavy Rain)
	08/07/10 00:00 CST		0	Source: River/Stream Gage
LOUISA COUNTY --- 14.7 NNW GLADWIN [41.55, -91.60], 12.6 N GLADWIN [41.55, -91.49], 4.9 ESE GLADWIN [41.35, -91.36], 1.7 SW GLADWIN [41.35, -91.47]				
	08/04/10 13:00 CST		0.10M	Flood (due to Heavy Rain)
	08/07/10 00:00 CST		0	Source: River/Stream Gage
WASHINGTON COUNTY --- 4.8 N RIVERSIDE [41.55, -91.60], 7.5 NE RIVERSIDE [41.55, -91.49], 9.9 E HASKINS [41.35, -91.36], 4.4 ENE HASKINS [41.35, -91.47]				
	08/04/10 13:00 CST		75K	Flood (due to Heavy Rain)
	08/07/10 00:00 CST		0	Source: River/Stream Gage
Heavy rains during the first week of August resulted in the Iowa River at Lone Tree going above the moderate flood stage level of 16.5 feet on August 4 around 2 pm CDT. It crested around 17.6 feet around 7 am CDT August 5. It fell below the moderate flood stage level around 1 am CDT August 7.				
BENTON COUNTY --- 3.3 SE KEYSTONE [41.97, -92.15]				
	08/08/10 22:41 CST		0	Thunderstorm Wind (MG 51 kt)
	08/08/10 22:41 CST		0	Source: Trained Spotter
A 59 mph wind gust was measured about 3 miles southeast of Keystone, IA at 1141 pm CDT August 8.				
DUBUQUE COUNTY --- 0.3 NW LUXEMBURG [42.60, -91.07]				
	08/09/10 00:00 CST		0.25M	Lightning
	08/09/10 00:00 CST		0	Source: Newspaper
A lightning strike was the likely cause of an early morning fire August 9 that caused significant damage to the Holy Trinity Catholic Church in Luxemburg, IA. Authorities were notified at 236 am CDT that flames were coming out of the church steeple.				
JONES COUNTY --- 3.4 ENE MONTICELLO MUNI ARPT [42.25, -91.11]				
	08/09/10 00:00 CST		50K	Thunderstorm Wind (EG 61 kt)
	08/09/10 00:00 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph ripped the roofs off of some outbuildings and blew the doors off of a shed about 4 miles east northeast of Monticello, IA around 1 am CDT August 9. Some of the debris was lofted into the tops of some trees.				
A large complex of showers and thunderstorms plowed eastward across Iowa, northern Illinois, and southern Wisconsin during the late evening and overnight hours of August 8th and 9th. High winds and torrential rains were common with the stronger storms. Warm and muggy conditions continued across the area with lows in the upper 60s to upper 70s.				
LEE COUNTY --- 7.1 WNW CROTON [40.61, -91.81], 2.6 NE CROTON [40.61, -91.65], 0.9 SW KEOKUK [40.39, -91.39], 7.8 SW KEOKUK [40.31, -91.47]				

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/09/10 20:30 CST		0.25M	Flood (due to Heavy Rain)
	08/15/10 16:50 CST		0	Source: River/Stream Gage

Heavy rains during the second week of August resulted in the Des Moines River at St. Francisville going above the moderate flood stage level of 22 feet on August 9 around 930 pm CDT. It crested above the major flood stage level around 26.3 feet around 1 pm CDT August 12. It fell below the moderate flood stage level around 550 pm CDT August 15.

VAN BUREN COUNTY --- 6.1 NNW SELMA [40.95, -92.20], 3.6 NNE FARMINGTON [40.70, -91.71], 5.9 SSE INDIAN LAKE PARK [40.55, -91.71], 5.5 SSW SELMA [40.80, -92.20]

08/09/10 20:40 CST	0.50M	Flood (due to Heavy Rain)
08/14/10 13:45 CST	0	Source: River/Stream Gage

Heavy rains during the second week of August resulted in the Des Moines River at Keosauqua going above the moderate flood stage level of 25 feet on August 9 around 940 pm CDT. It crested above the major flood stage level around 28.3 feet around 7 am CDT August 12. It fell below the moderate flood stage level around 245 pm CDT August 14.

WASHINGTON COUNTY --- 6.7 WNW WELLMAN [41.51, -91.95], 2.6 NW RIVERSIDE [41.51, -91.63], 2.9 ESE WASHINGTON ARPT [41.25, -91.63], 2.1 N RUBIO [41.25, -91.95]

08/10/10 03:00 CST	0.10M	Flash Flood (due to Heavy Rain)
08/10/10 07:00 CST	0	Source: Law Enforcement

Heavy rains resulted in flash flooding of several streets in Washington, IA during the morning of August 10. Some cars were stalled out in the flood waters. In addition, several county roads were closed due to the flood waters. Many of the gravel roads were damaged or washed out.

Another round of heavy rain-producing showers and thunderstorms developed and moved across eastern Iowa and northern Illinois during the morning of August 10. The heaviest rainfall amounts of 2.50 to 3.50 inches were centered around Washington, IA and Kewanee, Illinois, where flash flooding was observed. Low temperatures across the area were mainly in the lower and middle 70s.

KEOKUK COUNTY --- 1.7 SSW COAL CREEK [41.41, -92.41], 2.8 NNE KEOTA [41.41, -91.95], 3.1 ENE RICHLAND [41.20, -91.95], 5.2 WNW HEDRICK [41.20, -92.41]

08/10/10 05:00 CST	0.50M	Flood (due to Heavy Rain)
08/16/10 21:40 CST	0	Source: River/Stream Gage

Heavy rains during the second week of August resulted in the Skunk River at Sigourney going above the moderate flood stage level of 18 feet on August 10 around 6 am CDT. It crested above the major flood stage level around 23.6 feet around 1 am CDT August 12. It fell below the moderate flood stage level around 1040 pm CDT August 17.

LEE COUNTY --- 3.6 NNE VIELE [40.67, -91.40], 3.7 E FT MADISON MUNI ARPT [40.67, -91.26], 3.2 E FT MADISON [40.64, -91.26], 2.3 SSE VIELE [40.59, -91.40]

08/10/10 17:30 CST	0.25M	Flash Flood (due to Heavy Rain)
08/10/10 20:30 CST	0	Source: Trained Spotter

Heavy rains resulted in flash flooding of Fort Madison, IA during the evening of August 10. Flood waters 1 foot deep were observed flowing across 14th Street. Some streets had flood waters 2 to 3 feet deep. The North Lee Historical Society building flooded and its parking lot had about 2 feet of water covering it, with the water up to the tail lights of cars.

DES MOINES COUNTY --- 1.3 WSW BURLINGTON [40.81, -91.10]

08/10/10 17:45 CST	0.10M	Lightning
08/10/10 17:45 CST	0	Source: Newspaper

Lightning struck a tower on the north side on top of the Burlington Police Department building around 645 pm CDT August 10. The strike affected the communications center's dispatching capabilities, phone systems, radio-assisted dispatch, computer systems, and some computers. The Burlington Police Department also contributed to this report.

Showers and thunderstorms brought torrential rains of 2 to 3 inches to areas along and east of a line extending from northeast Missouri, to Fort Madison, Iowa, to Roseville, Illinois during the evening of August 10. In addition, a lightning strike caused damage at the Burlington Police Department. Otherwise, hot and humid conditions prevailed with highs in the upper 80s to upper 90s.

IOWA COUNTY --- 5.9 WNW KOSZTA [41.86, -92.30], 3.5 NE EAST AMANA [41.86, -91.83], 2.4 SE HOMESTEAD [41.75, -91.83], 1.4 N VICTOR [41.75, -92.30]

08/11/10 14:00 CST	0.25M	Flood (due to Heavy Rain)
08/18/10 22:50 CST	0	Source: River/Stream Gage

Heavy rains during the second week of August resulted in the Iowa River at Marengo going above the moderate flood stage level of 15.5 feet on August 11th around 3 pm CDT. It crested around 15.8 feet around 7 pm CDT August 12. After falling below 15.5 feet for about 40

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
hours, it rose back above it and had a secondary crest around 16.4 feet around 1 am CDT August 18. It fell below the moderate flood stage level around 1150 pm CDT August 18.				
DELAWARE COUNTY --- 1.0 N MANCHESTER [42.49, -91.45]				
	08/13/10 04:00 CST		0	Thunderstorm Wind (EG 61 kt)
	08/13/10 04:00 CST		0	Source: Newspaper
Wind gusts estimated to be 60 mph blew down a large tree in front of the West Delaware Lambert School building in Manchester, IA during the early morning of August 13.				
BENTON COUNTY --- 2.1 NE KEYSTONE [42.02, -92.17]				
	08/13/10 12:06 CST		0	Thunderstorm Wind (EG 61 kt)
	08/13/10 12:06 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph blew a large tree down across a road about 2 miles northeast of Keystone, IA around 106 pm CDT August 13.				
BENTON COUNTY --- 3.8 SE GARRISON [42.11, -92.10]				
	08/13/10 12:25 CST		0	Thunderstorm Wind (EG 52 kt)
	08/13/10 12:25 CST		0	Source: Emergency Manager
Wind gusts estimated to be 60 mph were observed about 5 miles southwest of Vinton, IA at 125 pm CDT August 13.				
BENTON COUNTY --- 1.4 N SHELLSBURG [42.12, -91.87]				
	08/13/10 12:45 CST		0	Thunderstorm Wind (EG 52 kt)
	08/13/10 12:45 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph were observed about 2 miles north of Shellsburg, IA at 145 pm CDT August 13.				
BUCHANAN COUNTY --- 2.8 N WINTHROP [42.51, -91.73], 3.8 ESE MONTI [42.38, -91.60], 6.0 SE MONTI [42.33, -91.60], 0.7 S WINTHROP [42.46, -91.73]				
	08/13/10 13:10 CST		0	Flash Flood (due to Heavy Rain)
	08/13/10 16:00 CST		0	Source: Emergency Manager
Heavy rains resulted in some flash flooding of several intersections along County Road W45 along Buffalo Creek from Wintrop, IA to Monti, IA during the afternoon of August 13.				
BUCHANAN COUNTY --- 2.1 NNE MONTI [42.43, -91.66]				
	08/13/10 13:15 CST		50K	Thunderstorm Wind (EG 61 kt)
	08/13/10 13:15 CST		0	Source: Law Enforcement
Wind gusts estimated to be 70 mph blew a tree down onto a house about 5 miles southwest of Masonville, IA at 215 pm CDT August 13.				
DELAWARE COUNTY --- 6.0 NW MANCHESTER [42.54, -91.53], 6.0 NE MANCHESTER [42.54, -91.37], 6.0 SE MANCHESTER [42.42, -91.37], 6.0 SW MANCHESTER [42.42, -91.53]				
	08/13/10 13:30 CST		5K	Flash Flood (due to Heavy Rain)
	08/13/10 17:00 CST		0	Source: Law Enforcement
Heavy rains resulted in flash flooding of a gravel road near Manchester, IA during the afternoon and evening of August 13.				
JOHNSON COUNTY --- 0.7 ESE NORTH LIBERTY [41.74, -91.61]				
	08/13/10 13:30 CST		10K	Lightning
	08/13/10 13:30 CST		0	Source: Newspaper
Lightning struck a civil defense siren in North Liberty, IA during the afternoon of August 13. The strike caused the siren to malfunction and activate.				
JONES COUNTY --- 1.4 S CENTER JCT [42.10, -91.10]				
	08/13/10 13:50 CST		0	Thunderstorm Wind (EG 61 kt)
	08/13/10 13:50 CST		0	Source: Emergency Manager
Wind gusts estimated to be 70 mph blew down a large tree near Highway 38 about a half a mile south of County Road E29 near Center Junction, IA around 250 pm CDT August 13.				

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LEE COUNTY --- 0.4 WNW KEOKUK [40.40, -91.39], 0.3 W KEOKUK [40.40, -91.39], 0.4 WSW KEOKUK [40.40, -91.39], 0.5 W KEOKUK [40.40, -91.39]				
	08/13/10 16:00 CST		25K	Flash Flood (due to Heavy Rain)
	08/13/10 18:00 CST		0	Source: Trained Spotter
Heavy rains resulted in flash flooding of the intersection of 10th Street and Main Street in Keokuk, IA during the late afternoon and evening of August 13. The intersection was closed due to the flooding.				
JEFFERSON COUNTY --- 1.7 NW FAIRFIELD [41.02, -92.00], 2.6 W BECKWITH [41.02, -91.93], 3.0 ESE FAIRFIELD [40.98, -91.93], 1.7 SW FAIRFIELD [40.98, -92.00]				
	08/13/10 21:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	08/14/10 01:00 CST		0	Source: Law Enforcement
Heavy rains resulted in some flash flooding of parts of Fairfield, IA during the late evening of August 13 and early morning of August 14. The flood water was 1 foot deep across 22nd Street and on W Grimes Avenue.				
WASHINGTON COUNTY --- 0.6 E WASHINGTON [41.30, -91.69]				
	08/13/10 21:00 CST		50K	Lightning
	08/13/10 21:00 CST		0	Source: Newspaper
Lightning struck an apartment building at 311 E Main Street in Washington, IA during the evening of August 13 resulting in a fire. Fire-fighting crews were dispatched at 1004 pm CDT.				
JACKSON COUNTY --- 1.3 S SPRAGUEVILLE [42.05, -90.43], 1.1 W PRESTON [42.05, -90.42], 1.2 WSW PRESTON [42.04, -90.42], 1.7 WSW PRESTON [42.04, -90.43]				
	08/13/10 22:19 CST		0	Flash Flood (due to Heavy Rain)
	08/14/10 03:00 CST		0	Source: Law Enforcement
Heavy rains resulted in flash flooding of Deep Creek just west of Preston, IA during the late night of August 13 and early morning of August 14. The creek flowed across 17th Street at the bridge crossing. The water was 6 inches deep.				
HENRY COUNTY --- 2.7 WNW WAYLAND [41.16, -91.72], 2.3 WNW WAYLAND [41.16, -91.71], 2.2 WNW WAYLAND [41.16, -91.71], 2.6 WNW WAYLAND [41.16, -91.72]				
	08/13/10 22:21 CST		0	Flash Flood (due to Heavy Rain)
	08/14/10 01:00 CST		0	Source: Law Enforcement
Heavy rains resulted in the flash flooding of some streets in Coppock, IA during the late evening of August 13 and early morning of August 14.				
A cluster of thunderstorms developed and moved eastward across Delaware County during the early morning hours of August 13. One storm was severe downing a tree in Manchester, IA.				
During the afternoon and evening, an area of showers and thunderstorms ahead of a cold front over central Iowa moved eastward into eastern Iowa and northern Missouri. Damaging winds, flooding rains, and lightning accompanied the stronger storms. High temperatures August 13 were mainly in the upper 80s to middle 90s. Heat index readings ranged from 100 to 110 degrees.				
DES MOINES COUNTY --- 6.4 WSW DANVILLE WILSON ARPT [40.81, -91.43], 3.2 SSW DANVILLE WILSON ARPT [40.81, -91.35], 2.5 ESE SPRING GROVE [40.71, -91.11], 5.3 SSE SPRING GROVE [40.66, -91.11]				
	08/13/10 13:00 CST		0.25M	Flood (due to Heavy Rain)
	08/24/10 08:20 CST		0	Source: River/Stream Gage
HENRY COUNTY --- 12.4 NW COPPOCK [41.30, -91.95], 3.1 NNE MT UNION [41.11, -91.37], 3.2 ESE LOWELL [40.81, -91.37], 2.6 S SALEM [40.81, -91.62], 9.6 WSW COPPOCK [41.11, -91.95]				
	08/13/10 13:00 CST		0.50M	Flood (due to Heavy Rain)
	08/24/10 08:20 CST		0	Source: River/Stream Gage
JEFFERSON COUNTY --- 10.9 NNW PLEASANT PLAIN [41.30, -91.95], 19.1 ESE CAPPOCK [41.11, -91.37], 19.9 ESE GLASGOW [40.81, -91.37], 9.7 SSE GLASGOW [40.81, -91.62], 2.5 NNW PERLEE [41.11, -91.95]				
	08/13/10 13:00 CST		0.25M	Flood (due to Heavy Rain)
	08/24/10 08:20 CST		0	Source: River/Stream Gage
LEE COUNTY --- 5.5 ENE ST PAUL [40.81, -91.43], 5.6 N DENMARK [40.81, -91.35], 6.3 E WEVER [40.71, -91.11], 7.5 ESE WEVER [40.66, -91.11]				

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/13/10 13:00 CST		0.25M	Flood (due to Heavy Rain)
	08/24/10 08:20 CST		0	Source: River/Stream Gage
WASHINGTON COUNTY --- 5.5 N RUBIO [41.30, -91.95], 11.9 SE CRAWFORDSVILLE [41.11, -91.37], 19.9 ESE GLASGOW [40.81, -91.37], 9.7 SSE GLASGOW [40.81, -91.62], 2.5 NNW PERLEE [41.11, -91.95]				
	08/13/10 13:00 CST		0.25M	Flood (due to Heavy Rain)
	08/24/10 08:20 CST		0	Source: River/Stream Gage
Heavy rains during the second week of August resulted in the Skunk River at Augusta going above the moderate flood stage level of 17 feet on August 13 around 2 pm CDT. It crested above the major flood stage level around 23.3 feet around 1 pm CDT August 16. It fell below the moderate flood stage level around 920 am CDT August 24.				
CLINTON COUNTY --- 3.6 NNW TORONTO [41.95, -90.90], 4.1 E FOLLETT'S [41.75, -90.30], 0.5 E CAMANCHE [41.67, -90.34], 4.5 SW BIG ROCK [41.73, -90.90]				
	08/14/10 18:00 CST		0.13M	Flood (due to Heavy Rain)
	08/16/10 12:00 CST		0	Source: River/Stream Gage
SCOTT COUNTY --- 15.1 NNW DIXON [41.95, -90.90], 5.3 ESE MC CAUSLAND [41.75, -90.30], 0.5 E PRINCETON [41.67, -90.34], 1.2 NW NEW LIBERTY [41.73, -90.90]				
	08/14/10 18:00 CST		0.13M	Flood (due to Heavy Rain)
	08/16/10 12:00 CST		0	Source: River/Stream Gage
Heavy rains during the second week of August resulted in the Wapsipinicon River at De Witt reaching the moderate flood stage level of 11.5 feet on August 14 around 7 pm CDT. It remained steady around 11.5 feet for about 42 hours. It fell below the moderate flood stage level around 1 pm CDT August 16.				
JOHNSON COUNTY --- 0.8 NE TIFFIN [41.71, -91.66]				
	08/20/10 14:10 CST		1K	Lightning
	08/20/10 14:10 CST	1	0	Source: Newspaper
Lightning struck a home at 283 Woodfield Drive in Tiffin, IA around 310 pm CDT August 20. A teenage male was shocked while using a laptop computer at the time of the lightning strike. The residence sustained minor damage.				
KEOKUK COUNTY --- 1.3 W THORNBURG [41.45, -92.36], 1.6 NNW WEBSTER [41.45, -92.18], 0.8 NE SIGOURNEY [41.34, -92.19], 1.4 WNW DELTA [41.34, -92.35]				
	08/20/10 15:42 CST		0	Flash Flood (due to Heavy Rain)
	08/20/10 20:00 CST		0	Source: Trained Spotter
Heavy rains resulted in flash flooding of area creeks east of What Cheer, IA during the afternoon of August 20.				
VAN BUREN COUNTY --- 2.7 ESE MT STERLING [40.61, -91.87]				
	08/20/10 16:07 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 16:07 CST		0	Source: Trained Spotter
Wind gusts estimated to be 60 mph blew down some tree limbs about 3 miles north northeast of Charlie Heath Memorial Conservation Area or about 3 miles east southeast of Mount Sterling, IA at 507 pm CDT August 20.				
VAN BUREN COUNTY --- 0.9 SW FARMINGTON [40.64, -91.74]				
	08/20/10 16:15 CST		0	Thunderstorm Wind (EG 52 kt)
	08/20/10 16:15 CST		0	Source: Trained Spotter
Wind gusts estimated to be 50 to 60 mph were observed about 5 miles northwest of Croton, IA at 515 pm CDT August 20.				
LEE COUNTY --- 0.5 W FT MADISON [40.63, -91.33]				
	08/20/10 16:30 CST		0	Thunderstorm Wind (EG 61 kt)
	08/20/10 16:30 CST		0	Source: Trained Spotter
Wind gusts estimated to be 70 mph blew some trees and utility poles down about 1 mile east northeast of Fort Madison, IA around 530 pm CDT August 20.				
LEE COUNTY --- 1.3 WNW KEOKUK [40.41, -91.40]				
	08/20/10 16:35 CST		10K	Thunderstorm Wind (EG 61 kt)
	08/20/10 16:35 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Wind gusts estimated to be 70 mph blew down some trees in Keokuk, IA around 535 pm CDT August 20. One of the trees fell onto some power lines. Power was knocked out to hundreds of customers. In addition, a tent sheltering food vendors at the Rolling on the River blues festival on the Keokuk riverfront was destroyed.				

LEE COUNTY --- 1.7 WSW FT MADISON [40.62, -91.35]

08/20/10 16:35 CST	0	Thunderstorm Wind (EG 56 kt)
08/20/10 16:35 CST	0	Source: Emergency Manager

Wind gusts estimated to be 65 mph blew some tree limbs and power lines down throughout Fort Madison, IA at 535 pm CDT August 20.

Showers and thunderstorms moved across the area August 20 as a trough of low pressure moved into western Iowa. Some of the storms were severe downing trees and power lines. Torrential downpours and lightning also accompanied the storms with rainfall totals of 1 to 2 inches in just an hour or two. Otherwise, warm and humid conditions prevailed across the region with high temperatures topping out in the middle 80s to lower 90s.

LEE COUNTY --- 7.1 WNW CROTON [40.61, -91.81], 2.6 NE CROTON [40.61, -91.65], 0.9 SW KEOKUK [40.39, -91.39], 7.8 SW KEOKUK [40.31, -91.47]

08/21/10 07:20 CST	0.13M	Flood (due to Heavy Rain)
08/21/10 15:15 CST	0	Source: River/Stream Gage

Heavy rains during the third week of August resulted in the Des Moines River at St. Francisville going above the moderate flood stage level of 22 feet on August 21 around 820 am CDT. It crested around 22.24 feet around 12 pm CDT August 21. It fell below the moderate flood stage level around 415 pm CDT August 21.

BENTON COUNTY --- 0.9 NE MT AUBURN [42.26, -92.09]

08/31/10 21:09 CST	0	Thunderstorm Wind (EG 52 kt)
08/31/10 21:09 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed in Mount Auburn, IA at 1009 pm August 31.

A complex of showers and thunderstorms moved across the area during the evening of August 31 bringing some strong winds and heavy rains to the region. One storm near Mount Auburn, IA was severe producing winds over 58 mph. Widespread rainfall totals of 1 to 3 inches were observed.

MISSOURI, Northeast

CLARK COUNTY --- 3.0 NW ANSON [40.61, -91.81], 3.3 NE ATHENS [40.61, -91.65], 4.4 ENE ALEXANDRIA [40.39, -91.39], 2.6 NE GREGORY LNDG [40.31, -91.47]

08/09/10 20:30 CST	0.25M	Flood (due to Heavy Rain)
08/15/10 16:50 CST	0	Source: River/Stream Gage

Heavy rains during the second week of August resulted in the Des Moines River at St. Francisville going above the moderate flood stage level of 22 feet on August 9 around 930 pm CDT. It crested above the major flood stage level around 26.3 feet around 1 pm CDT August 12. It fell below the moderate flood stage level around 550 pm CDT August 15.

SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]

08/13/10 20:16 CST	0	Thunderstorm Wind (EG 52 kt)
08/13/10 20:16 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph blew down some tree branches in Memphis, MO at 916 pm CDT August 13. Some trash cans were also being blown around the area.

An area of showers and thunderstorms ahead of a cold front over central Iowa moved eastward into eastern Iowa, northern Missouri, and northern Illinois during the afternoon and evening of August 13. Damaging winds and flooding rains accompanied the stronger storms. High temperatures August 13 were mainly in the upper 80s to middle 90s. Heat index readings ranged from 100 to 110 degrees.

SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]

08/20/10 15:47 CST	0	Thunderstorm Wind (EG 52 kt)
08/20/10 15:52 CST	0	Source: Trained Spotter

Wind gusts estimated to be 60 mph were observed in Memphis, MO at 447 pm CDT August 20. The strong winds lasted for about 5 minutes. A power outage was also observed.

Storm Data and Unusual Weather Phenomena - August 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]				
	08/20/10 15:50 CST		0	Thunderstorm Wind (EG 61 kt)
	08/20/10 15:50 CST		0	Source: Trained Spotter

Wind gusts estimated to be 70 mph blew a 3 foot diameter tree down in Memphis, MO around 450 pm CDT August 20.

SCOTLAND COUNTY --- 0.7 S MEMPHIS [40.46, -92.17]				
	08/20/10 16:00 CST		0	Thunderstorm Wind (EG 56 kt)
	08/20/10 16:00 CST		0	Source: Trained Spotter

Wind gusts estimated to be 65 mph blew down several tree limbs in Memphis, MO at 5 pm CDT August 20.

Showers and thunderstorms moved across the area August 20 as a trough of low pressure moved into western Iowa. Some of the storms were severe downing trees and power lines. Torrential downpours also accompanied the storms with rainfall totals of 1 to 2 inches in just an hour or two. Otherwise, warm and humid conditions prevailed across the region with high temperatures topping out in the middle 80s to lower 90s.

CLARK COUNTY --- 3.0 NW ANSON [40.61, -91.81], 3.3 NE ATHENS [40.61, -91.65], 4.4 ENE ALEXANDRIA [40.39, -91.39], 2.6 NE GREGORY LNDG [40.31, -91.47]				
	08/21/10 07:20 CST		0.13M	Flood (due to Heavy Rain)
	08/21/10 15:15 CST		0	Source: River/Stream Gage

Heavy rains during the third week of August resulted in the Des Moines River at St. Francisville going above the moderate flood stage level of 22 feet on August 21 around 820 am CDT. It crested around 22.24 feet around 12 pm CDT August 21. It fell below the moderate flood stage level around 415 pm CDT August 21.